

123-03_US_second_replacement_sequence.txt
SEQUENCE LISTING

<110> Hexima Limited
Poon, Simon
Heath, Robyn L.
Clarke, Adrienne E.

<120> Arabinogalactan Protein Compositions and Methods for Fostering
Somatic Embryonic Competence

<130> 12639240/AJH

<140> 10/594,418
<141> 2005-03-31

<150> 60/558,609
<151> 2004-03-01

<160> 27

<170> PatentIn version 3.4

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Ile Gln Ile Gly Asp Ser Leu Val
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Ser Thr Ala Ser Leu Gly Val Thr Leu Ser Val
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<222> (12)..(12)

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gctttcgaac ccaaattgcta ctag 84

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Val Gly Pro Phe Ala Phe Glu Pro Lys Cys Tyr
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caaactcaaa acaaccccaa aacc 24

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tcttctgaat cagattctct caacaaatgg gctgaaaaag ctcgtttcca aatcggcgac 180

tctctcgtgt ggaaatatga tgggtggtaaa gactcgggtgc tccaagttag taaggaggat 240

tatacaagtt gcaatacgtc gaacccgatt gccgagtaca aagatgggaa caccaagggtg 300

aagcttgaaa agtcaggacc atatttcttc atgagtggag caaagggcca ctgcgagcaa 360

ggccagaaga tgattgtggt tgtgatgtct caaaagcata ggtacattgg aatctctcca 420

gcaccttcgc cggttgattt tgaagggtccg gccgttgctc caacaagcgg agttgcaggg 480

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<213> Gossypium sp.

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20 25 30

Lys Thr Gly Ala Trp Lys Ile Pro Ser Ser Glu Ser Asp Ser Leu Asn
35 40 45

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Lys Trp Ala Glu Lys Ala Arg Phe Gln Ile Gly Asp Ser Leu Val Trp
50 55 60

Lys Tyr Asp Gly Gly Lys Asp Ser Val Leu Gln Val Ser Lys Glu Asp
65 70 75 80

Tyr Thr Ser Cys Asn Thr Ser Asn Pro Ile Ala Glu Tyr Lys Asp Gly
85 90 95

Asn Thr Lys Val Lys Leu Glu Lys Ser Gly Pro Tyr Phe Phe Met Ser
100 105 110

Gly Ala Lys Gly His Cys Glu Gln Gly Gln Lys Met Ile Val Val Val
115 120 125

Met Ser Gln Lys His Arg Tyr Ile Gly Ile Ser Pro Ala Pro Ser Pro
130 135 140

Val Asp Phe Glu Gly Pro Ala Val Ala Pro Thr Ser Gly Val Ala Gly
145 150 155 160

Leu Lys Ala Gly Leu Leu Val Thr Val Gly Val Leu Gly Leu Phe
165 170 175

<210> 19
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<213> Gossypium sp.

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gagaactaca atcattgggc tgaaaggaat agattccaag tcaatgatac tctctttttc 180
aagtacaaga aagggtcaga ctcggtgctg ttggtaacaa gagaagatta cttctcatgc 240
aacaccaaga acccaattca gtctttaaca gaaggtgatt cactctttac atttgatcgg 300
tcgggtccct tctttttcat caccggtaac gctgataatt gcaaaaaagg gcaaaagctg 360
atcgtcgtgg tcatggctgt aagacacaaa cccagcaac aacctccttc accttctccc 420
tcattctgctg tgacaacagc gccggtttct ccaccacat taccattcc tgaaactaac 480
cctcctgtag agtcacaaa gagcagtgag gctccatctc atgatgctgt ggaaccagct 540
ccgccggagc acagatcggg ttcatccaat ctagtatggt ctacctgggt ggtgttgggt 600
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<212> PRT

<213> Gossypium sp.

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Ser Phe Ile Thr Ser Ser Gln Gly Tyr Lys Phe Tyr Val Gly Gly Arg
20 25 30

Asp Gly Trp Val Val Ser Pro Ser Glu Asn Tyr Asn His Trp Ala Glu
35 40 45

Arg Asn Arg Phe Gln Val Asn Asp Thr Leu Phe Phe Lys Tyr Lys Lys
50 55 60

Gly Ser Asp Ser Val Leu Leu Val Thr Arg Glu Asp Tyr Phe Ser Cys
65 70 75 80

Asn Thr Lys Asn Pro Ile Gln Ser Leu Thr Glu Gly Asp Ser Leu Phe
85 90 95

Thr Phe Asp Arg Ser Gly Pro Phe Phe Phe Ile Thr Gly Asn Ala Asp
100 105 110

Asn Cys Lys Lys Gly Gln Lys Leu Ile Val Val Val Met Ala Val Arg
115 120 125

His Lys Pro Gln Gln Gln Pro Pro Ser Pro Ser Pro Ser Ser Ala Val
130 135 140

Thr Thr Ala Pro Val Ser Pro Pro Thr Leu Pro Ile Pro Glu Thr Asn
145 150 155 160

Pro Pro Val Glu Ser Pro Lys Ser Ser Glu Ala Pro Ser His Asp Ala
165 170 175

Val Glu Pro Ala Pro Pro Glu His Arg Ser Gly Ser Phe Lys Leu Val
180 185 190

Cys Ser Thr Trp Leu Val Leu Gly Phe Gly Ile Trp Val Ser Met Ala
195 200 205

Leu Gly Ile Glu Asn Val Val Cys Phe Trp Cys
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<400> 23
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Tyr Lys Lys Ala Gly Ser Ala Ala Ala Pro Phe Thr Leu Val Pro Arg
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25

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Gly Ser Lys Glu Ile Met Val Gly Gly Lys Thr Gly Ala Trp Lys Ile
 35 40 45

Pro Ser Ser Glu Ser Asp Ser Leu Asn Lys Trp Ala Glu Lys Ala Arg
 50 55 60

Phe Gln Ile Gly Asp Ser Leu Val Trp Lys Tyr Asp Gly Gly Lys Asp
 65 70 75 80

Ser Val Leu Gln Val Ser Lys Glu Asp Tyr Thr Ser Cys Asn Thr Ser
 85 90 95

Asn Pro Ile Ala Glu Tyr Lys Asp Gly Asn Thr Lys Val Lys Leu Glu
 100 105 110

Lys Ser Gly Pro Tyr Phe Phe Met Ser Gly Ala Lys Gly His Cys Glu
 115 120 125

Gln Gly Arg Lys Met Ile Val Val Val Met Ser Gln Lys His Arg Tyr
 130 135 140

Ile Gly Ile
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 20 25 30

Gly Ser Tyr Lys Phe Tyr Val Gly Gly Arg Asp Gly Trp Val Val Ser
 35 40 45

Pro Ser Glu Asn Tyr Asn His Trp Ala Glu Arg Asn Arg Phe Gln Val
 50 55 60

Asn Asp Thr Leu Phe Phe Lys Tyr Lys Lys Gly Ser Asp Ser Val Leu
 65 70 75 80

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Leu Val Thr Arg Glu Asp Tyr Phe Ser Cys Asn Thr Lys Asn Pro Ile
85 90 95

Gln Ser Leu Thr Glu Gly Asp Ser Leu Phe Thr Phe Asp Arg Ser Gly
100 105 110

Pro Phe Phe Phe Ile Thr Gly Asn Ala Asp Asn Cys Lys Lys Gly Gln
115 120 125

Lys Leu Ile Val Val Val Met Ala Val Arg His Lys Pro Gln Gln Gln
130 135 140

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<223> Synthetic peptide

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